

**DECLARATION AND POWER OF ATTORNEY**

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: METHOD AND SYSTEM FOR DETECTING FAULTS

OF RING NETWORK

the specification of which is attached and/or was filed on September 28, 1998 as United States Application Serial No. \_\_\_\_\_ or PCT International Application No. PCT/JP98/04341 and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate or § 365(a) of any PCT international application(s) designating at least one country other than the United States, listed below and have also identified below, any foreign application(s) for patent or inventor's certificate, or any PCT international application(s) having a filing date before that of the application(s) of which priority is claimed:

Country	Application Number	Date of Filing	Priority Claimed Under 35 U.S.C. 119
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

Application Number	Date of Filing

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT international application(s) designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application(s) in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application(s) and the national or PCT international filing date of this application:

Application Number	Date of Filing	Status (Patented, Pending, Abandoned)

I hereby appoint the following attorney and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P., Reg. No. 22,540, Douglas B. Henderson, Reg. No. 20,291; Ford F. Farabow, Jr., Reg. No. 20,630; Arthur S. Garrett, Reg. No. 20,338; Donald R. Dunner, Reg. No. 19,073; Brian G. Brunsvold, Reg. No. 22,593; Tipton D. Jennings, IV, Reg. No. 20,645; Jerry D. Voight, Reg. No. 20,020; Laurence R. Heffer, Reg. No. 20,827; Kenneth E. Payne, Reg. No. 23,098; Herbert H. Mintz, Reg. No. 26,691; C. Larry O'Rourke, Reg. No. 26,014; Albert J. Santorelli, Reg. No. 22,610; Michael C. Elmer, Reg. No. 25,857; Richard H. Smith, Reg. No. 20,605; Stephen L. Peterson, Reg. No. 26,225; John M. Romary, Reg. No. 26,331; Bruce C. Zotter, Reg. No. 27,680; Dennis P. O'Relley, Reg. No. 27,937; Allen M. Sokal, Reg. No. 26,695; Robert D. Bajelsky, Reg. No. 25,387; Richard L. Stroup, Reg. No. 28,478; David W. Hill, Reg. No. 28,220; Thomas L. Irving, Reg. No. 28,619; Charles E. Lipsey, Reg. No. 28,165; Thomas W. Winland, Reg. No. 27,605; Basil J. Lewis, Reg. No. 28,818; Martin I. Fuchs, Reg. No. 28,508; E. Robert Yoches, Reg. No. 30,120; Barry W. Graham, Reg. No. 29,924; Susan Haberman Griffen, Reg. No. 30,907; Richard B. Racine, Reg. No. 30,415; Thomas H. Jenkins, Reg. No. 30,857; Robert E. Converse, Jr., Reg. No. 27,432; Clair X. Mullen, Jr., Reg. No. 20,348; Christopher P. Foley, Reg. No. 31,354; John C. Paul, Reg. No. 30,413; Roger D. Taylor, Reg. No. 28,992; David M. Kelly, Reg. No. 30,953; Kenneth J. Meyers, Reg. No. 25,146; Carol P. Einaudi, Reg. No. 32,220; Walter Y. Boyd, Jr., Reg. No. 31,738; Steven M. Anzalone, Reg. No. 32,095; Jean B. Fordis, Reg. No. 32,984; Barbara C. McCurdy, Reg. No. 32,120; James K. Hammond, Reg. No. 31,984; Richard V. Burgulian, Reg. No. 31,744; J. Michael Jakes, Reg. No. 32,824; Dirk D. Thomas, Reg. No. 32,600; Thomas W. Banks, Reg. No. 32,719; Christopher P. Isaac, Reg. No. 32,616; Bryan C. Diner, Reg. No. 32,409; M. Paul Barker, Reg. No. 32,013; Andrew Chanho Sonu, Reg. No. 33,457; David S. Forman, Reg. No. 33,694; Vincent P. Kovalick, Reg. No. 32,867; and \_\_\_\_\_ Please address all correspondence to FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P. 1300 I Street, N.W., Washington, D.C. 20005, Telephone No. (202) 408-4000.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full Name of First Inventor <b>Munevuki SUZUKI</b>	Inventor's Signature <i>Munevuki Suzuki</i>	Date <b>May 16, 2000</b>
Residence <b>Inagi-shi, Tokyo, Japan</b>		Citizenship <b>Japanese</b>
Post Office Address <b>c/o Intellectual Property Division of Kabushiki Kaisha Toshiba, 1-1-1, Shibaaura, Minato-ku, Tokyo 105-0023 Japan</b>		

Listing of Inventors Continued on Page 2 hereof. ☒ Yes ☐ No

Listing of Inventors Continued From Page 1 of 2

Full Name of Second Inventor <u>Hiroki NAGAI</u>	Inventor's Signature <u>Hiroki Nagai</u>	Date May 16, 2000
Residence <u>Hino-shi, Tokyo, Japan JPX</u>		Citizenship Japanese
Post Office Address <u>c/o Intellectual Property Division of Kabushiki Kaisha Toshiba, 1-1-1, Shibaura, Minato-ku, Tokyo 105-0023 Japan</u>		
Full Name of Third Inventor <u>Kazuo NOGAMI</u>	Inventor's Signature <u>Kazuo Nogami</u>	Date May 16, 2000
Residence <u>Sagamihara-shi, Kanagawa, Japan JPX</u>		Citizenship Japanese
Post Office Address <u>c/o Intellectual Property Division of Kabushiki Kaisha Toshiba, 1-1-1, Shibaura, Minato-ku, Tokyo 105-0023 Japan</u>		
Full Name of Fourth Inventor <u>Tomoo KUNIKYO</u>	Inventor's Signature <u>Tomoo Kunikyo</u>	Date May 16, 2000
Residence <u>Ota-ku, Tokyo, Japan JPX</u>		Citizenship Japanese
Post Office Address <u>c/o Intellectual Property Division of Kabushiki Kaisha Toshiba, 1-1-1, Shibaura, Minato-ku, Tokyo 105-0023 Japan</u>		
Full Name of Fifth Inventor <u>Masanori KUNIMUNE</u>	Inventor's Signature <u>Masanori Kunimune</u>	Date May 16, 2000
Residence <u>Hino-shi, Tokyo, Japan JPX</u>		Citizenship Japanese
Post Office Address <u>c/o Intellectual Property Division of Kabushiki Kaisha Toshiba, 1-1-1, Shibaura, Minato-ku, Tokyo 105-0023 Japan</u>		
Full Name of Sixth Inventor	Inventor's Signature	Date
Residence		Citizenship
Post Office Address		
Full Name of Seventh Inventor	Inventor's Signature	Date
Residence		Citizenship
Post Office Address		
Full Name of Eighth Inventor	Inventor's Signature	Date
Residence		Citizenship
Post Office Address		
Full Name of Ninth Inventor	Inventor's Signature	Date
Residence		Citizenship
Post Office Address		
Full Name of Tenth Inventor	Inventor's Signature	Date
Residence		Citizenship
Post Office Address		